ELSEVIER

Volume 555, Numbers 1–2, March (1998) 307–308

Journal of Organometallic Chemistry

Volume Contents

Regular Papers

Synthesis of new mixed ring zirconocenes and evidence of ring loss
F.A. Shafiq, D.E. Richardson, J.M. Boncella 1

Titanocenes and zirconocenes with (chiral) O-functionalized side chains on the Cp ring
A.A.H. van der Zeijden, C. Mattheis 5

Reactions of Pd(II) with closo-1,2-dicarbadodecaborane-1,2-diphosphines
C. Viñas, M. Mar Abad, F. Teixidor, R. Sillanpää, R. Kivekäs 17

Mixed-metal cluster chemistry VIII[1]: phosphite substitution at $[CpWIr_3(CO)_{11}]$; X-ray crystal structure of $[CpWIr_3(\mu\text{-}CO)_3(CO)_6\{P(OPh)_3\}_2]$
S.M. Waterman, M.G. Humphrey, D.C.R. Hockless 25

Stereochemically non-rigid transition metal complexes of 2,6-bis[1-(phenylimino)ethyl]pyridine (BIP). Part 3. Dynamic NMR studies of fac-$[PtXMe_3(BIP)]$ (X = Cl, Br, or I). Crystal structure of fac-$[PtIMe_3(BIP)]$
K.G. Orrell, A.G. Osborne, V. Šik, M.W. da Silva, M.B. Hursthouse, D.E. Hibbs, K.M.A. Malik, N.G. Vassilev 35

The tetracyclopentadienyls of titanium, zirconium and hafnium: new synthetic procedures and reactivity
F. Calderazzo, U. Englert, G. Pampaloni, G. Tripepi 49

Stabilization of 17-electron metal-centered species. Electrochemical study of $[WX(CO)_3(\eta^5\text{-}C_5H_5)]$ (X = Cl, Br, I) and $[WI(CO)_2(PCy_3)(\eta^5\text{-}C_5H_5)]$
M.-L. Marcos, C. Moreno, M.-J. Macazaga, R. Medina, R. Maderuelo, S. Delgado, J. González-Velasco 57

Activation of C–F and C–H bonds by polyalkylcyclopentadienylrhodium complexes: crystal structure of $[(\eta^5\text{-}C_5Me_4Et)RhCl\{(C_6F_5)_2PCH_2CH_2P(C_6F_5)_2\}]^+ \cdot BF_4^-$
M.J. Atherton, J. Fawcett, J.H. Holloway, E.G. Hope, S.M. Martin, D.R. Russell, G.C. Saunders 67

Cyclopalladated Schiff's base liquid crystals: the effect of the acac group on the thermal behaviour
G.W.V. Cave, D.P. Lydon, J.P. Rourke 81

Reactions of dinuclear and polynuclear complexes XIX. Rearrangements of terminal or disubstituted alkyne ligands present in homo- and heterodinuclear complexes of cobalt and molybdenum during reactions with molybdenum and cobalt carbonyl compounds: formation of trinuclear and tetranuclear clusters
R. Rumin, P. Abiven, F.Y. Pétillon, K.W. Muir 89

Characterization of an agostic bond on the basis of the electron density
P.L.A. Popelier, G. Logothetis 101

Reactivity of $Fe_3(CO)_9(\mu_3\text{-}C_2Et_2)$. Synthesis and structures of $Fe_2(CO)_6\{C_2Et_2C[CH_2N(Me)CH_2Ph]CH\}$ and $Fe_3(CO)_8\{C_2Et_2C(H)C\text{-}[CH_2N(Me)CH_2Ph]\}$
R. Calderón, H. Vahrenkamp 113

Tripod-Liganden mit Cyclopentadienyl-Donorgruppe: Aufbau und Reaktionen des Tripod-Mo-Templats $CH_3C(CH_2\text{-}\eta^5\text{-}C_5H_4)\text{-}(CH_2PPh_2)_2Mo$
B. Antelmann, G. Huttner, U. Winterhalter 119

Bis(triisopropylsiloxyindenyl) zirconocenes
H.J.G. Luttikhedde, R. Leino, A. Lehtonen, J.H. Näsman 127

Oxidatively induced metal–carbon bond cleavage reactions in iridium dimethyl complexes: formation of cationic pyridine and nitrosyl iridium(III) alkyl derivatives
P. Diversi, V. Ermini, G. Ingrosso, A. Lucherini, C. Pinzino, F. Simoncini 135

A survey of reaction conditions for palladium-catalyzed processes
G. Dyker, A. Kellner 141

Guide for authors 145

Regular Papers

1,2-Asymmetric induction in the radical addition of organotin hydrides to (−)-menthyl(*E*)-2,3-disubstituted propenoates
S.D. Mandolesi, L.C. Koll, A.B. Chopa and J.C. Podestá 151

Photoreaction dynamics of permethylcyclohexasilane $(Me_2Si)_6$ via triplet state surface: A direct MO dynamics study
H. Tachikawa 161

The transition-metal complexes of the thiamacrocycle containing two ferrocene nuclei in the main chain. Synthesis, properties, and molecular structure of Ag(I), Cu(I), Pd(II), and Pt(II) complexes of 1,5,16,21-tetrathia[5.5]ferrocenophane
M. Sato and H. Anano 167

New O- and N-bonded zirconocene complexes and their catalytic properties in ethylene polymerization. X-ray crystal structure of $(C_5H_5)_2Zr\{2,6\text{-}OC_6H_3(CH_3)_2\}_2$, $(C_5H_5)_2Zr\{2,4,6\text{-}OC_6H_2(CH_3)_3\}_2$ and $(C_5H_5)_2Zr(CH_3)\{CH(NC_6H_5)_2\}$
F. Benetollo, G. Cavinato, L. Crosara, F. Milani, G. Rossetto, C. Scelza and P. Zanella 177

Phosphor(III)- und Phosphor(V)-Verbindungen mit Ferrocenolato- und 1,1′-Ferrocendiolato-Substituenten
M. Herberhold, A. Hofmann and W. Milius 187

Komplexkatalyse: LIII. Darstellung und Charakterisierung der Bis(η^3-allyl)lanthanhalogenid-Komplexe $La(\eta^3\text{-}C_3H_5)_2X \cdot 2THF$ (X = Cl, Br, I) als Präkatalysatoren für die stereospezifische Butadienpolymerisation, ein Beitrag zur weiteren Klärung der katalytischen Struktur-Wirkungsbeziehung
R. Taube, H. Windisch, H. Hemling and H. Schumann 201

Influences of the electronic and steric effects of the substituents in cyclopalladation of ferrocenylhydrazones
C. López and J. Granell 211

Nucleophilic additions of phenylsulfonyl-substituted tricarbonyl(1,3-cyclohexadiene)iron complexes
S.-S.P. Chou and S.-H. Liu 227

Synthesis, characterisation and properties of magnesium di(ε-caprolactamate)
Z. Černý, O. Kříž, J. Fusek, B. Časenský, P. Bernat, J. Brožek and J. Roda 237

Different reactivity of the Ru–O bond in the chelated [(methoxyethyl)diphenylphosphine]ruthenium(II) complexes $[(\eta^6\text{-}C_6Me_6)Ru(P^{\frown}O)X][BR_4]$ in dependence on X = Cl and CH_3
E. Lindner, S. Pautz, R. Fawzi and M. Steimann 247

Interaction of methylmercury(II) with the bifunctional ligand *o*-diphenylphosphinobenzoate, dpb. Synthesis and characterization of [(dpb)HgMe] and [(dpbo)HgMe], dpbo = *o*-diphenylphosphinoxidebenzoate
P. Barbaro, C.A. Ghilardi, S. Midollini, A. Orlandini, J.A. Ramirez and G. Scapacci 255

A facile high-yield synthesis of the tetrahedral gallium(I) compounds $Ga_4[C(SiMe_2R)_3]_4$—crystal structure of $Ga_4[C(SiMe_2Et)_3]_4$
W. Uhl and A. Jantschak 263

Reactions of $[SbR_3X_2]_2O$ with carboxylates and the crystal structures of $[SbPh_3(O_2CCF_3)_2]_2O$ and $[SbMe_3(O_2CCH_3)_2]_2O$
M.N. Gibbons and D.B. Sowerby 271

The synthesis and NMR spectroscopic examination of coordination complexes of 2-telluraindane with rhodium
K. Badyal, W.R. McWhinnie, J. Homer and M.C. Perry 279

Photochemical reaction of $Re_2(CO)_{10}$ with tetramethylthiourea; structural characterization of two novel pentarhenium carbonyl complexes containing sulfido and tetramethyldiaminocarbene ligands, $[Re_5(CO)_{17}(\mu\text{-}R)(\mu_4\text{-}S)_2\{C(NMe_2)_2\}_2]$ (R = SH or OH)
K.A. Azam, M.A. Hossain, M.B. Hursthouse, S.E. Kabir, K.M. Abdul Malik and H. Vahrenkamp 285

Priority Communication

Methyltrioxorhenium/pyrazole—A highly efficient catalyst for the epoxidation of olefins
W.A. Herrmann, R.M. Kratzer, H. Ding, W.R. Thiel and H. Glas 293

Calendar 297
Author index 301
Subject index 303
Volume contents 307